Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/29/2021 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123960	-1	8.13	124116	8.16
Blue	F	SSC	125000	121229	-4	8.46	122029	8.46
Blue	E	FITC	14284	13648	-5	8.41 (1)	384	17.15
Blue	D	PE	23919	22884	-5	8.41	547	14.79
Blue	B	PerCP-Cy5-5	31332	30057	-5	8.98	867	19.39
Blue	A	PE-Cy7	22272	21654	-3	11.16	452	37.65
Red	C	APC	47768	46904	-2	4.69	1629	13.01
Red	A	APC-Cy7	25313	24471	-4	5.9	693	14.61
Violet	B	V450	7085	6721	-6	7.92 (2)	472	15.25
Violet	A	V500	26969	25620	-6	7.73	880	11.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23687	8.07	605	16	N/A	N/A	Pass
Blue	F	SSC	52430	8.27	532	11	N/A	N/A	Pass
Blue	E	FITC	56	57.02	505	4	0.0299	0	Pass
Blue	D	PE	104	46.71	502	5	0.2641	289	Pass
Blue	B	PerCP-Cy5-5	130	48.88	594	6	0.0136	28	Pass
Blue	A	PE-Cy7	70	96.82	646	11	0.0154	0	Pass
Red	C	APC	334	28.66	584	4	0.0230	161	Pass
Red	A	APC-Cy7	125	39.63	559	4	0.0049	1258	Pass
Violet	B	V450	78	54.74	454	-9	0.0318	1628	Pass
Violet	A	V500	101	37.07	465	-9	0.0177	888	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.58	-31.21	1.21
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.01	13.60 - 20.40	N/A	N/A	29.50	29.85	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11396

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments